Draft Minutes
MAGIC Meeting
February 7, 2007, 2:00-4:00
NSF, Room 1150

Attendance:

David Martin	IBM (on the phone)	martinde@us.ibm.com
Don Middleton	UCAR	don@ucar.edu
Grant Miller	NCO	miller@nitrd.gov
Sara Murphy	HP (on the phone)	sara.murphy@hp.com
Thomas Ndousse	DOE	tndousse@er.doe.gov.gov
Ruth Pordes	FNAL (on the phone)	ruth@fnal.gov
Donald Riley	Univ. of Maryland	drriley@umd.edu
Jennifer Schopf	ANL	jms@mcs.anl.gov
Dane Skow	ANL	skow@mcs.anl.gov
Kevin Thompson	NSF	kthompso@nsf.gov

This meeting of MAGIC was chaired by Kevin Thompson of the NSF. Jennifer Schopf gave a briefing on SciDAC Center for Enabling Distributed Petascale Science (CEDPS) and Community Driven Improvement of Globus Software (CDIGS).

CEDPS and CDIGS

The Principle Investigator of CEDPS is Ian Foster. CEDPS is a DOE SciDAC Center for Enabling Technology. They have been funded from July 2006- June, 2011 for approximately $2.4M/yr. CEDPS is a collaboration among 5 sites: Argonne National Laboratory, Fermi National Laboratory, Lawrence Berkeley National Laboratory, USC Information Sciences Institute, and the University of Wisconsin, Madison. CEDPS enables remote distributed users to access many petabytes of data from DOE facilities. It moves large quantities of data to users when and where they need it, e.g. deliver 100 Terabytes of specific data to 3 specific locations by 9:00 AM tomorrow. CEDPS provides tools and techniques for reliable, secure, high-performance, and policy-driven placement of data within a distributed science environment. It enhances GridFTP to manage space, bandwidth, connections and other resources for data transfers. CEDPS science services provides tools and techniques for scalable science services. Service construction tools enable wrapping application code as a remotely accessible service. Service provisioning tools allow dynamic management of resources to execute a service. Troubleshooting tools and techniques enable failure detection and diagnosis in distributed systems. They include:

- Logs and log management
- Automatic failure detection
- Performance degradation detection

CEDPS also works with users and applications to enable capabilities, e.g. Earth Systems Grid, Open Science Grid, and Second Wave.

CDIGS
CDIGS is a collaboration between USC, Information Sciences Institute and the University of Chicago. It has four primary goals:

- Evolve and enhance Globus functionality, performance, scalability, and robustness.
- Improve usability and manageability
- Support major NSF users and communities
- Expand the Globus community

CDIGS is enhancing the software components across all areas of the Globus toolkit and fixing bugs as they are identified. CDIGS works with system administrators to simplify installing and maintaining Globus. It works with end users to improve content, coverage, and readability of Globus documentation. CDIGS staff work withusers in projects including BIRN, GEON, LEAD, LIGO, OSG, TeraGrid,… It interacts with communities to identify new components and capabilities (dev.globus). CDIGS has a long list of technology, non-technology, and incubator process projects.
For more information:

- Jennifer Schopf
  - jms@mcs.anl.gov
  - http://www.mcs.anl.gov/~jms
- CEDPS
  - http://www.cedps.net
- Dev.globus
  - http://dev.globus.org
- Globus Main Website
  - http://www.globus.org

Grid News
The OGF/GGF meeting was held last week, the first meeting of the Open Grid Forum (OGF). The meeting had an expanded scope covering new standards group. Enterprise storage network discussions and presentations were held.

TeraGrid, at the University of Chicago, has started an integration with Shibboleth

The Open Science Grid is starting a trial for V0 validation. They are running protein folding applications over the OSG with about 10 hours per run..

March 15 technical releases are expected for OSG at UCSD.
February 20 a joint oversight meeting for OSG will be held.
Meetings are being held with campus cyber-infrastructure: April at UC/Davis, May with the New York State Grid, June at the University of Illinois/Chicago

DOE held a cyber security for science meeting. They discussed identity management and cross site authorization.

The Earth Science Grid is seeking opportunities for future coordination such as with the OSG and TeraGrid. They are working with the world meterological groups to implement new capabilities.

Next MAGIC Meetings:

March 7, 2:00 - 4:00, NSF, Room 1150
April 4, 2:00 - 4:00, NSF, Room 1150